



CTCGTGCCGAATTGGGCACGAGACCGCGTGTTCGCGCCTGGTAGAGATTTCTCGAAGACA
CCAGTGGGCCCGTGTGGAACCAAACCTGCGCGCGTGGCCGGGCCGTGGGACAAACGAGGCC
CGGAGACGAAGGGCGCAATGGCGAGGAAGTTATCTGTAATCTTTGATCCTGACCTTTGCC
TCTCTGTCAAAATCCCTTTCATGAACTAAAAGCAGCTGCTTTCCCCAGACCACTGAGA
AAATTAGTCCGAATGGGAATCTGGCATTAACTGTTGACTTTGGCAATTTCCACACGGCAAT
ATCATCTACAACAGCTTTTCTACCGTATGGAGAAAATAAATCTTTGTCAAGTTGAAGGT
TCAGAAAAATTAATCTCAAAATATAGGCATAGATAAGATTTAAAAGAAATCCATATACACCATG
ACCACGACCATCACTCAGACCACGAGCATCACTCAGACCATGAGCGCTCACTCAGACCATG
AGCATCACTCAGACCACGAGCATCACTCTGACCATGATCATCACTCTCACCATAATCATG
CTGCTCTGCTGTTAAAAATAAGCGAAAAGCTCTTTGCCAGACCATGACATCAGATAGTTCAG
GTAAGAGTCTCAGAAACAGCCAGGGGAAAGGAGCTCACCAGCCAGAACATGCCAGTGGTA
GAAGGAATGTCAAGGACAGTGTAGTGTAGTGAAGTGACCTCAACTGTGTACAACACTG
TCTCTGAAGGACTCACTTTCTAGAGACAATAGAGACTCCAAGACCTGGAAAACTCTTCC
CCAAAGATGTGAAGCAGCTCCACTCCACCCAGTGTACATCAAAAGAGCCGGGTAGCCCGG
TGGCTGGTAGGAAAAAATAAGTAATCTGTGAGTGAGCCCCGAAAAGGCTTTATGTTATCCA
GAAACCAAAATGAAATCCTCAGGAGTGTTCATGACATCAAAAGAGCTGACATCTCATG
GCATGGGCGATCCAGGTTCCGCTGTAATGCAACAGAGTTCAACTATCTCTGACGACCATCA
TCAACCAATGATGCTAGATTTACATAATAGCCTGGGTTGGTGGTTTTATAGCCATTTCCATCA
TCGATTTCTGTCTCTGCTGGGGTTATCTTAGTGCTCTCATGAATCGGGGTGTTTTTCA
AATTTCTCTGAGTTTCTTTGTGCACTGGCCGTTGGGACTTTGAGTGGTGATGCTTTTT
TACACCTTCTTCCACATTTCTATGCAAGTACCACCATAGTCATAGCCATGAAGAACCAG
CAATGGAAATGAAAAGAGGACCACTTTTCAGTCATCTGTCTTCTCAAAACATAGAAGAAA
GTGCTATTTTGAATCCAGCTGGAAGGCTAAGGCTAAGGAGGCTGATTTCTATGT
TCTTTGGAACATGCTCCTCACATTTGATCAAAACAATTTAAGATAAGAAGAAAAGAAATC
AGAAGAAACCTGAAATGATGATGTGAGATGAGAGATTAAGAAGCAGTTTCCAAGTATGAAT
CTCAACTTTCAACAAATAGGAGAAAGATAGATACAGATGATCGAAGTGAAGGCTATTTAC
GAGCAGACTCACAAGAGCCCTCCCACTTTGATTTCAAGCAGCTGCACTGTTGGAAGAAG
AAGAGGTGATGATAGCTCATGCTCATCCACAGGAAGTCTACAAATGAATATGTACCCAGAG
GGTGCAAGAATAAATGCCATTTACATTTCCACCATCATCACCACCACCAAAACACCACTC
TTCACCAACCATCATGACTACCATCATATTTCTCCCATCATCACCACCACCAAAACACCACTC
CTCAGAGTCACAGCCAGCGCTACTCTCGGAGGAGCTGAAAGATGCCGGCGTCCGCACTT
TGGCTGGATGGTGATAATGGGTGATGGCTGCACAATTTACGCGATGGCCTAGCAATG
GTGCTGCTTTTACTGAAGGCTTATCAAGTGGTTAAGTACTTCTGTTGCTGTGTTCTGTG
ATGAGTTGCCATGTAATAGGTGACTTTGCTGTCTACTAAGGCTGGCATGGCCGTTA
AGCAGGCTGCTCTTTATAATGCATTTGTCAGCCATGCTGCCGATCTTGGATGGCAACAG
GAATTTTCAATGGTCAATTATGCTGAAAATGTTTCTATGTGGAATTTGCACTTACTGCTG
GCTTATTCATGTATGTTGCTGTGTTGATATGGTATGCTGAAATGCTGCACAAATGATGCTA
GTGACCATGGATGAGCCGCTGGGGGATTTCTTTTACAGAATGCTGGGATGCTTTTGG
GTTTGGAAATATGTTACTTATTTCCATATTTGAACATAAAATCTGTTTCGTATAAAAT
TCTAGTTAAGGTTTAAATGCTAGAGTAGCTTAAAAGTTGTGATAGTTTCAGTAGGTGAT
AGGGAGATGAGTTTGTATGCTGTACTATGACGGCTTTAAAGTTAGTGGGTTTTGTGATTT
TTGATTTGAATTTGCTGTCTGTTTACAAAGTCAGTTAAAGCTACGTTTTAATATTTAAGT
TATTCATCTTTGGAGATAAAATCTGTATGTGCAATTCACCGGATACCCGATTTATATG
TAAACAGAGATTTGGCATGACATGTTCTGTATGTTTACGGGAAAAATGTCTTTAATGCT
TTTTCAAGAACTAACACAGTTATTCTATACTAGGATTTTAGGCTCTGAAGAACTGGTG
TGTTTAGGAATAAGAAATGTGCATGAAGCTTAAATACCAAGAAAGCTTATACGAATTTA
AGCAAAAGAAATAAAGGAGAAAGAGAAGAAATCTGAGAAATGGGGAGGCAAGATCTTAT
AAAAATCAAAAAATTTGTTGTAATTAAGGGGAGAAAAATAGAAATTAAGATTAAGAAAGG
CAGAATTAGTATAGAGTACATTTATTAACATTTTTGTGAGGATTTTCCCGTAAAAAC
GTAGTGAGCACTCTCATATACTAATTAAGTGTACATTTAACTTTGTATAACAGAAATCT
AAATATATTTAATGAATCAAGCAATATACACTTGACCAAGAAATGGAATTTCAAAATG
TTCTGCGGGGTTATATACAGGATGAGTACAGTGAGTAGTTTTATGTATCACCAGCTGGGT
TATTGCCAAGTTATATACCAAAAAGCTGTATGACTGGATGTTCTGGTTCTGCTGTTT
CAAAATATCAGAGTAGTAAAACTTTGATATATAGGAAATTAAGAACTACACTAAGTA
TCAATTTGATTCGATTCGAAAGTACTTTGATAATCTCTCAGTGCTTCAGTGCTATCATG
GAGCAATTTGCTTTATATACGGTACTGTAGCCATCTAGGCCGTGCTGTGGCATTTCTCTA
GATGTTTTCTTTTTACACAATAAATTCCTTATATCAGCTTG

FIG. 1

ATGCCGAGGAAGTTATCTGTAATCTTGATCTGACCTTTGCCCTCTCTGTCACAAAATGCC
CTTCATGAATCAAAAGCAGCTGCTTTCCCCAGACCACTGAGAAATATTAGTCCGAATTTG
GAATCTGGCATTAAATGTTGATCTGGCAATTTCCACAGCGCAATATCATCTCAACAGCTTT
TTATACCCGCTATGGGAAAAATAATCTTTTGTCAGTTGAAAGGTTTCAGAAAATTCATCTCA
AATATAGGCATAGATAAGATTAAAGAAATCATATACACCATGACCAGCACTCAGACCAC
GACCACGAGCATCACTCAGACCATGAGGCTCAGCTCAGCAACCATGAGCATCACTCAGACCAC
GAGCATCACTCTGACCATGATCATCACTCTCACCATAATCATGCTGCTCTTGGTAAAAAT
AAGCGAAAAGCTCTTTGCCAGACCATGACATCAGATAGTTCAGGTAAAGATCCTGAGAAC
AGCGAGGGGAAAGGAGCTCAGCCAGCAGCAACATGCCAGTGTGAAGGAATGTCAAGGAC
AGTCTTAGTGTAGTGTGAAGTGACCTCAACTGTGTGAACAACATGCTCTTGAAGGAACCTCAC
TTTTAGAGACAATAGAGACTCAGAGCTGGAAGAACTCTCCCCAAGATGTAAGCAGC
TTCCTACGCCACCCAGTGTACATCAAGAGCGGGGTAGCGGGCTGGCTGGTATGGAAGAACCA
AATGAATCTGTGTAGTGAGTGCCGGAAGAGCTTTATGTATTCAGAAACAGAAATGAAAT
CCTCAGGAGTGTTTCAATGCATCAAGAGCTACTGACATCTCATGGCATGGGCATCCAGGTT
CGCGTGAATGCAACAGAGTTCAACTATCTCTGTCAGGCATCATCAACCAAAATGTAGTCT
AGATCTTTGCTGATTATACAAAGTGAAGAAAGGCTGAAATCCCCCAAGAGCACTATTCA
TTACAAATAGCTCGGGTTGGTGTTTTATAGCCATTTCCATCATAGTTTCTCTGTCTCTG
CTGGGGGTATCTTATAGTGCCTCTCATGAATGGGTGTTTTCAAAATTTCTCTGAGTTCT
CTTTGGGCATCGGCCCTGGGACTTTGAGTGTTGAGTGTCTTTTACACCTTTCCACAT
TCTCATGCAAGTCACCCACCATAGTCATGACCATGAAGAAGACGCAATGGAATGAAAGAA
GGACCATCTTTTCAGTCATCTGCTTCTCAAAACATAGAAGAAAGTCCATTTTGTATTC
AGCGTGAAGAGGCTTAACAGCTCTGAGGAGCGCTGTAATTCATGTTCTTGTGAACATGTC
CTCACATTTGATCAACAATTTAAGAAGCAGTTGTCAGGATGAATCTCAACTTTCAACAAAT
GATGATGATGTGGAGATTAGAAGCAGTTGTCAGGATGAATCTCAACTTTCAACAAAT
GAGGAGAAAGTATAGATACAGATGTCAGCACTGAGGCTATTGACGAGCAGCTCAAGAAAG
CCCTCCCACTTTGATTTCTCAGCAGCTCGAGCTTTGGAAGAAGGAAGGCTATGATGACT
CATGCTCATCCACAGGAAGTCTCAATGAAATGTCAGCAGATCTCAATCACCACCATCATGAC
TATTCATCATTTCCACAGTACACTCGGCCAGTCAGACAGTCTCAATCACCACCATCATGAC
TACCATCATATTTCCATCATCACCAACACCAAAACACCATCTCAGAGTCACAGCGAG
CGCTACTCTCGGGAAGGAGCTGAAAGATGCCGGCTGCGCACTTTGGCTGGATGGGTGATA
ATGGGTGATGGGCTGCACAATTTCAAGCATGGCTGACATTTGGTGTCTGCTTTACTGAA
GGCTTATCAAGTGGTTTAAAGTACTCTGTGCTGTGTTGTGTCATGAGTTGCCATGTAA
TTAGGTGACTTTGCTGTTTCTGCTCAAGGCTGGCAATGACCTGAAGCAGGCTGCTTTAT
AATGCAATGTGACGCTGCTGCGGTATCTTGCAATGGCAACAGGAATTTTCAATGGTCA
TATGCTGAAAATGTTTCTATGTGGATATTTGCAATTACTGCTGGGATTTTCATGTATGTT
GCTCTGTTTGTATGGTACTGAAATGCTGCAAAATGATGCTGATGACCATGATGATGAGC
CGCTGGGGGATTTCTTTTACAGAAATGCTGGGATGCTTTTGGGTTTTGGAATATGTGTA
CTTATTTCCATATTTGAACATAAAATCGTGTTCGTATAAATTTCTAG

FIG.2

[illegible]

FIG.3